|  | Index of Claims App |          |              |           |          |          |          |          |          |          |  |           |             | pli            | plication No. |            |             |              |               |              |              |         |          |          | Applicant(s) |               |           |          |         |         |            |                 |               |   |
|--|---------------------|----------|--------------|-----------|----------|----------|----------|----------|----------|----------|--|-----------|-------------|----------------|---------------|------------|-------------|--------------|---------------|--------------|--------------|---------|----------|----------|--------------|---------------|-----------|----------|---------|---------|------------|-----------------|---------------|---|
|  |                     |          |              |           |          |          |          |          |          |          |  |           |             |                | 10            | 10/659,635 |             |              |               |              |              |         |          |          |              | MILLER ET AL. |           |          |         |         |            |                 |               |   |
|  |                     |          |              |           |          |          |          |          |          |          |  |           |             |                |               | Examiner   |             |              |               |              |              |         |          |          |              | t U           |           | اسا      |         |         |            |                 |               |   |
|  |                     |          |              |           |          |          |          |          |          |          |  |           |             |                |               |            |             |              |               |              |              |         |          |          |              |               |           |          |         |         |            |                 |               |   |
| T TO A LANGE TO BE COME TO THE TANKE |                     |          |              |           |          |          |          |          |          |          |  |           |             | Joseph Valenza |               |            |             |              |               |              |              |         |          | 3651     |              |               |           |          |         |         |            |                 |               |   |
|  |                     |          |              |           |          |          |          |          |          |          |  |           |             |                |               |            |             |              |               |              |              |         |          |          |              |               |           |          |         |         |            |                 |               |   |
|  |                     |          | <b>√</b>     | D.        | .i.      | -+-      | _        |          |          |          |  | (T        | hrou        | gh n           | um            | era        | ıl)         |              |               |              | Non-Elected  |         |          |          |              | Appeal        |           |          |         |         |            |                 |               |   |
|  | √ Rejected -        |          |              |           |          |          |          |          |          |          |  | Cancelled |             |                |               |            |             | N NO         |               |              |              | II-E    | IBC      | leu      |              | Α             | Appear    |          |         |         |            |                 |               |   |
|  | = Allowed           |          |              |           |          |          |          |          |          |          |  |           | D.          | Restricted     |               |            |             | $\neg$       | Γ             | $\prod$      | Interference |         |          |          |              |               | Ohior     |          |         |         |            |                 |               |   |
|  |                     |          | =            | A         | 110      | we       | a        |          |          | ÷        |  |           | K           | Restricted     |               |            |             |              |               | 1            | int          | епе     | rer      | ence     |              | 0             | '  01     |          | ojected |         |            |                 |               |   |
|  |                     |          |              |           |          |          |          |          |          |          |  |           |             |                |               |            |             |              |               |              |              |         | <b>.</b> |          |              |               |           |          |         |         | _          |                 |               |   |
| ·  | Cla                 |          | Date         |           |          |          |          | •        |          | •        |  |           | Cl          | aim<br>I       |               | _          | Date 1      |              |               |              |              |         | 1        | Claim    |              | <del> </del>  | Date      |          |         |         |            |                 | $\dashv$      |   |
|  | ल                   | Original | 501          |           |          | -        |          |          |          |          |  |           | a           | Original       |               | Ì          |             |              |               |              | ĺ            |         |          | <u></u>  | Original     | Ιİ            | İ         | İ        |         | İ       | i i        |                 | ĺ             |   |
|  | Final               | )rig     | /6/1         |           |          | -        |          |          |          |          |  |           | Final       | Zigi           |               |            |             |              |               |              |              |         |          | Final    | Orig         |               |           |          | 1       |         |            |                 |               |   |
|  |                     |          | $\equiv$     | _         | _        | _        | _        |          |          | _        | _  |           |             | 1l             | 4             | 4          | 4           | -            | 4             | 4            |              | -       | -        |          |              | $\vdash$      | 4         | _        | +       | $\bot$  | $\vdash$   |                 | 4             |   |
|  |                     | 2        | V            | $\dashv$  | -        | $\dashv$ | -        | -        | _        | $\vdash$ | ┝  |           |             | 51<br>52       | $\dashv$      | +          | $\dashv$    | ┿            | ╁             | +            |              | ╁╌      | 1        |          | 101<br>102   | H             | $\dashv$  | +        | +       | +       | Н          | $\dashv$        | ┥             |   |
|  |                     | 3        |              |           |          |          |          |          |          |          |  |           |             | 53             |               | $\exists$  | 1           |              |               |              |              | $\top$  |          |          | 103          |               |           | 士        |         |         |            |                 |               |   |
|  |                     | 4        |              |           | _        | _        |          |          |          |          | L  |           |             | 54             | _             | _          | 4           | _            | 1             | $\downarrow$ | _            |         |          |          | 104          | $\sqcup$      | $\dashv$  | $\perp$  | 4-      | $\bot$  | Ш          |                 | _             |   |
|  |                     | 5<br>6   | $\mathbb{H}$ | -         |          | $\dashv$ | $\dashv$ | $\vdash$ | _        | -        | H  |           |             | 55<br>56       | $\dashv$      | $\dashv$   | $\dashv$    | $\dashv$     | +             | +            | -            | +       | -        |          | 105<br>106   | Н             | $\dashv$  | $\dashv$ | +       | +       | ╁┤         | $\vdash$        | -             |   |
|  |                     | 7        | H            |           | Ì        | =        |          |          |          | -        |  |           |             | 57             | $\dashv$      | 7          | 7           | 十            | +             | $\dashv$     |              | +       |          |          | 107          | П             | $\exists$ |          | _       | $\perp$ |            |                 |               |   |
|  |                     | 8        | П            |           |          |          |          |          |          |          |  |           |             | 58             |               | $\Box$     | $\Box$      | $\Box$       | I             | $\Box$       |              |         |          |          | 108          |               |           |          |         | $\perp$ |            |                 |               |   |
|  |                     | 9        | V            | _         | $\dashv$ |          | -        |          | _        | -        | _  |           |             | 59<br>60       | $\dashv$      | +          | $\dashv$    | +            | +             | +            | +            | +       | -        |          | 109<br>110   | Н             | $\dashv$  | +        | ╬       | ╀       | Н          | $\dashv$        | $\dashv$      |   |
|  |                     | 11       | -            | _         | ᅥ        |          |          |          | $\vdash$ | -        | -  |           |             | 61             | -             | +          | -           | +            | +             | $\dashv$     | +            | ╁       | 1        |          | 111          | Н             | $\dashv$  | +        | ╁       | ╁╌      | $\vdash$   |                 | ㅓ             |   |
|  |                     | 12       |              |           |          |          |          |          |          |          |  |           |             | 62             |               |            | $\Box$      |              |               | $\Box$       |              |         | ]        |          | 112          | П             |           |          | $\perp$ |         |            |                 |               |   |
|  |                     | 13<br>14 |              | _         | _        |          |          |          | _        |          | _  |           | -           | 63<br>64       | -             | $\dashv$   | $\dashv$    | +            | -             | +            | +            | ╀       | -        |          | 113<br>114   | $\vdash$      | $\dashv$  | -        | +       | +       | $\vdash$   | $\vdash$        | -             |   |
|  |                     | 15       | 1            |           | 1        |          |          |          |          | H        | -  |           |             | 65             | $\rightarrow$ | $\dashv$   | $\dashv$    | +            | $^{+}$        | +            | $\dashv$     | ╁       | 1        |          | 115          | H             | $\dashv$  | +        | ╁       | +-      | $\vdash$   | $\vdash$        | $\overline{}$ |   |
|  |                     | 16       |              |           |          |          |          |          |          |          |  | 1         |             | 66             |               |            |             |              | ightharpoonup | コ            |              |         |          |          | 116          |               |           |          | $\perp$ |         |            |                 |               |   |
|  |                     | 17       | $\coprod$    | $\dashv$  | $\dashv$ | $\sqcup$ |          |          |          | _        | L  |           | _           | 67<br>68       | $\perp$       | $\dashv$   |             |              | +             | -            | -            | +       | -        |          | 117<br>118   | $\vdash$      |           | -+       | +       | +       | ╀          | $\vdash$        | 4             |   |
|  |                     | 18<br>19 | $\vdash$     | 1         | $\dashv$ |          |          |          | -        | $\vdash$ | ┢  |           |             | 69             | +             | $\dashv$   | +           | +            | +             | +            | +            | +       | 1        |          | 119          | $\vdash$      | $\dashv$  | +        | +       | +       |            | $\vdash$        | _             |   |
|  |                     | 20       |              |           |          |          |          |          |          |          |  |           |             | 70             |               | $\Box$     |             | 丁            |               | 1            |              |         |          |          | 120          |               |           |          | 1       |         |            |                 |               |   |
|  |                     | 21       |              | _         | _        | $\Box$   | $\Box$   | _        | _        | <u> </u> | <u> </u>   |           |             | 71<br>72       | $\dashv$      | -          |             | $\dashv$     | +             | +            |              | +       | -        |          | 121<br>122   |               |           | -        |         | +       | +          | Н               | 긕             |   |
|  |                     | 22<br>23 | -            | $\dashv$  | $\dashv$ | $\vdash$ |          |          | $\vdash$ | $\vdash$ | $\vdash$   |           |             | 73             | -1            | +          | +           | $\dashv$     | +             | $^{+}$       | +            | +       | 1        |          | 123          |               |           | $\dashv$ | 十       | +       | +          | H               | $\dashv$      |   |
|  |                     | 24       |              |           |          |          |          |          |          |          |  |           |             | 74             |               | $\Box$     | 1           |              | 1             | $\perp$      |              |         |          |          | 124          |               |           |          |         |         |            |                 |               |   |
|  |                     | 25<br>26 | V            | -         | $\dashv$ | $\dashv$ |          |          |          | _        | _  |           |             | 75<br>76       | _             | 4          | 4           | -            | _             | $\dashv$     | -            | +       | -        | <u> </u> | 125<br>126   | ╀             | $\dashv$  |          | +       | +-      | +          | H               | -             |   |
|  |                     | 27       | _            | $\dashv$  | -        |          |          |          | -        | -        | -  |           |             | 77             | $\dashv$      | +          | +           | +            | +             | +            | $\dashv$     | +       | 1        | <u> </u> | 127          |               | $\dashv$  | 十        | +       | ╁       | $\vdash$   | H               |               |   |
|  |                     | 28       |              |           |          |          |          |          |          |          |  |           |             | 78             |               | $\Box$     |             | 工            |               |              |              | L       | ]        |          | 128          |               |           |          | 1       | Ţ       |            |                 |               |   |
|  |                     | 29       |              | _         | _        | $\Box$   | Н        | _        | _        |          | _  |           |             | 79<br>80       | 4             | _          | _           | 4            | +             | +            | +            | +       | -        | <u> </u> | 129<br>130   |               | $\dashv$  | -        | +       | +       | -          | $\sqcup$        | $\dashv$      |   |
|  |                     | 30<br>31 | ۲            | $\dashv$  | -        | $\dashv$ | -        | -        | ┝        | $\vdash$ | $\vdash$   |           |             | 81             | $\dashv$      | $\dashv$   | $\dashv$    | +            | +             | $\dashv$     | +            | +       | ╢        |          | 131          |               |           | $\dashv$ | +       | +       | +          | Н               | $\dashv$      |   |
|  |                     | 32       |              |           |          |          |          |          |          |          |  |           |             | 82             |               |            |             |              |               |              |              |         | ]        |          | 132          |               |           |          |         |         |            |                 |               |   |
|  |                     | 33       | Ц.           | _         | 4        |          |          | Щ        |          |          | <u> </u>   |           |             | 83             |               | $\dashv$   | 4           | -            | $\perp$       | $\dashv$     | -            | 4       |          |          | 133          |               | 4         | -        | +       | ╁       | -          | $\vdash$        | 4             | • |
|  | -                   | 34<br>35 | -            | -         | -        |          | -        | -        | _        |          |  |           |             | 84<br>85       | -             | $\dashv$   | +           | +            | +             | $\dashv$     | +            | +       | -        | -        | 134<br>135   | $\vdash$      |           | +        | ╁       | ╁       | +-         | $\vdash$        | $\dashv$      |   |
|  |                     | 36       |              | $\exists$ |          |          |          |          |          |          |  |           |             | 86             |               | $\exists$  | 士           |              | 1             | 士            |              |         | ]        |          | 136          |               |           | 土        | 1       |         |            |                 |               |   |
|  |                     | 37       |              | $\Box$    | _        |          |          |          |          |          |  |           |             | 87             |               | _          | _           | _            | 4             | 4            | 4            | 4       | 4        | <u> </u> | 137          |               |           | 4        | $\bot$  |         | 1_         | Ш               | $\dashv$      |   |
|  |                     | 38<br>39 | $\vdash$     | -         | $\dashv$ |          |          | Н        | -        | ┝        | ┝  | ł         | -           | 88<br>89       | $\dashv$      | $\dashv$   | $\dashv$    | -            | ╬             | +            | +            | ╁       | ┨┈       |          | 138<br>139   | Н             | $\dashv$  | +        | ╁       | +       | +          | $\vdash$        | -             |   |
|  |                     | 40       |              | $\dashv$  | $\dashv$ |          |          |          | $\vdash$ | H        | -  |           |             | 90             |               | $\dashv$   | 7           | +            | $\dagger$     | $\dashv$     | +            | +       | 1        |          | 140          |               |           |          | †       | $\top$  |            |                 |               |   |
|  |                     | 41       | П            | $\Box$    | $\Box$   |          |          | П        |          |          |  |           |             | 91             | $\Box$        | $\exists$  | $\supset$   | 1            | $\top$        | $\Box$       | $\perp$      | $\perp$ |          |          | 141          |               | $\Box$    | $\bot$   | $\bot$  | Γ       |            | П               | $\exists$     |   |
|  |                     | 42<br>43 | $\vdash$     | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | Н        | <u> </u> | $\vdash$ | -  |           | _           | 92<br>93       | $\dashv$      | -          | +           | +            | +             | $\dashv$     | +            | +       | -        |          | 142<br>143   |               | $\dashv$  | +        | +       | +       | H          | H               | $\dashv$      |   |
|  |                     | 44       |              |           |          |          |          |          | H        |          | t  |           |             | 94             |               | _          |             | †            | +             | _            |              | 士       | <u> </u> |          | 144          |               | $\exists$ | _        | 士       |         | $\perp$    |                 | $\exists$     |   |
|  |                     | 45       |              |           | $\Box$   |          |          |          |          |          |  |           |             | 95             |               | $\Box$     | $\Box$      | ightharpoons | $\downarrow$  | $\dashv$     | 工            | 丁       | ]        |          | 145          |               | $\Box$    | 工        | Ţ       | L       | oxdapsilon |                 | $\Box$        |   |
|  |                     | 46<br>47 | $\vdash$     | $\dashv$  | 4        | $\dashv$ |          | $\vdash$ | <u> </u> | $\vdash$ | $\vdash$   |           |             | 96<br>97       | -             | $\dashv$   | $\dashv$    | +            | +             | +            |              | +-      | -        |          | 146<br>147   | $\vdash$      | $\dashv$  | -        | +       | +-      | -          | $\vdash \vdash$ | $\dashv$      |   |
|  |                     | 48       | $\vdash$     | $\dashv$  | $\dashv$ | $\vdash$ | $\dashv$ | Н        | $\vdash$ | $\vdash$ |  | 1         | <del></del> | 98             | $\dashv$      | $\dashv$   | $\dashv$    | +            | +             | _            | +            | _       | <u> </u> |          | 148          |               |           | $\top$   | _       | $\perp$ | $\dagger$  | H               | $\dashv$      |   |
|  |                     | 49       |              |           |          |          |          |          |          |          |  |           |             | 99             |               | $\Box$     | $\sqsupset$ | $\bot$       | $\perp$       | $\Box$       | $\Box$       | $\perp$ | ]        |          | 149          |               | $\Box$    | $\Box$   | I       |         | $\Box$     | П               | $\Box$        |   |
|  |                     | 50       | $\Box$       |           |          | Ш        |          |          |          | L        | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{L}}}}$ | Jiiii     |             | 100            |               |            | $\perp$     |              | $\perp$       | 丄            |              |         | انتنال   |          | 150          |               |           |          |         | 1       |            |                 |               |   |